

Lab 2

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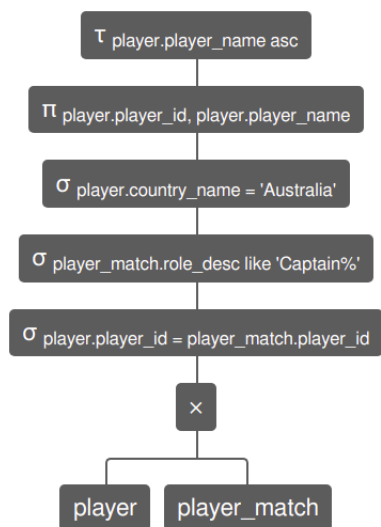
13th Jan 2022

RA Queries

Query 2: Find the names of the bowlers in alphabetical order who have given more than 2 extra runs in a single delivery.

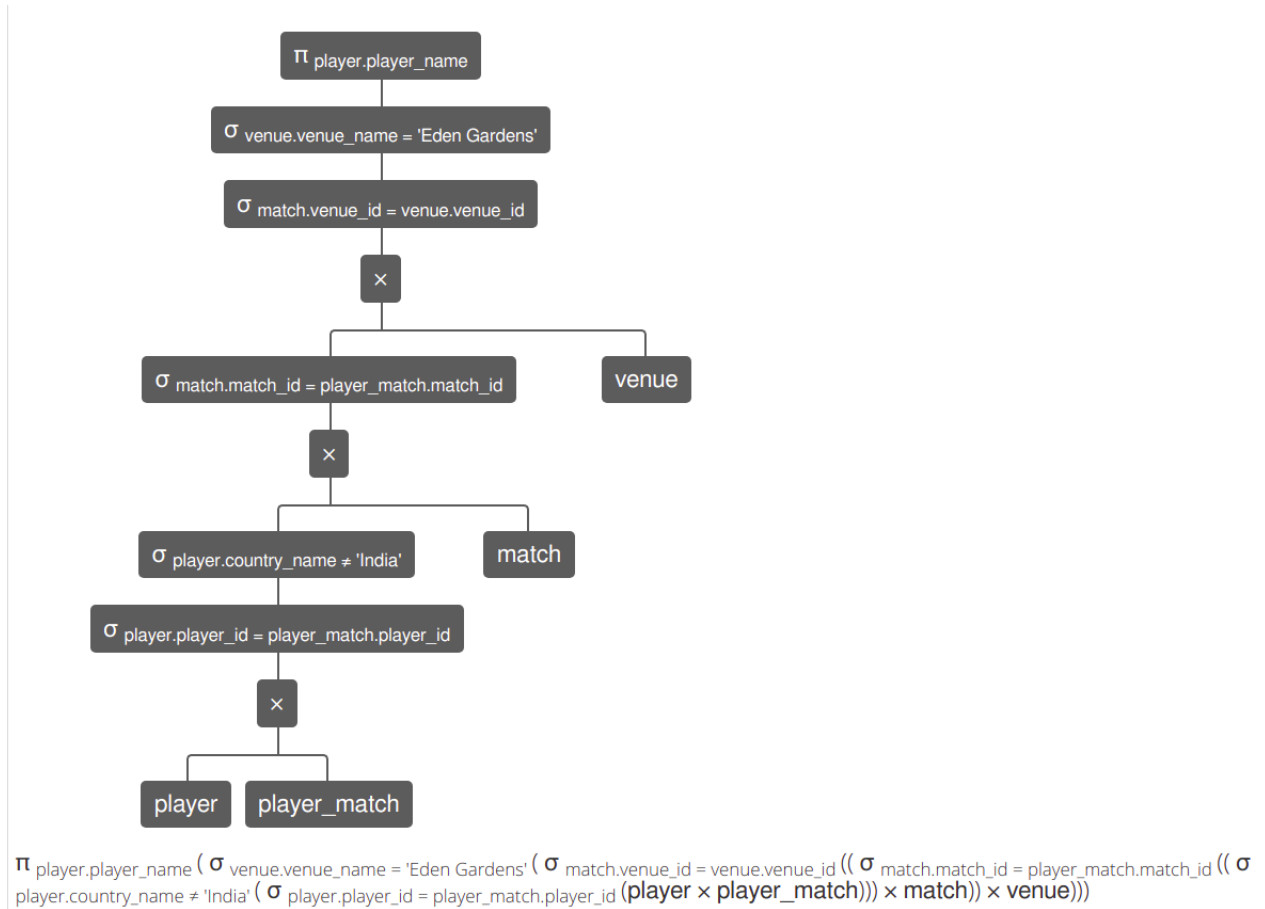


Query 4: Find player_id and names of Australian players who have captained a team and print in alphabetical order of their names.

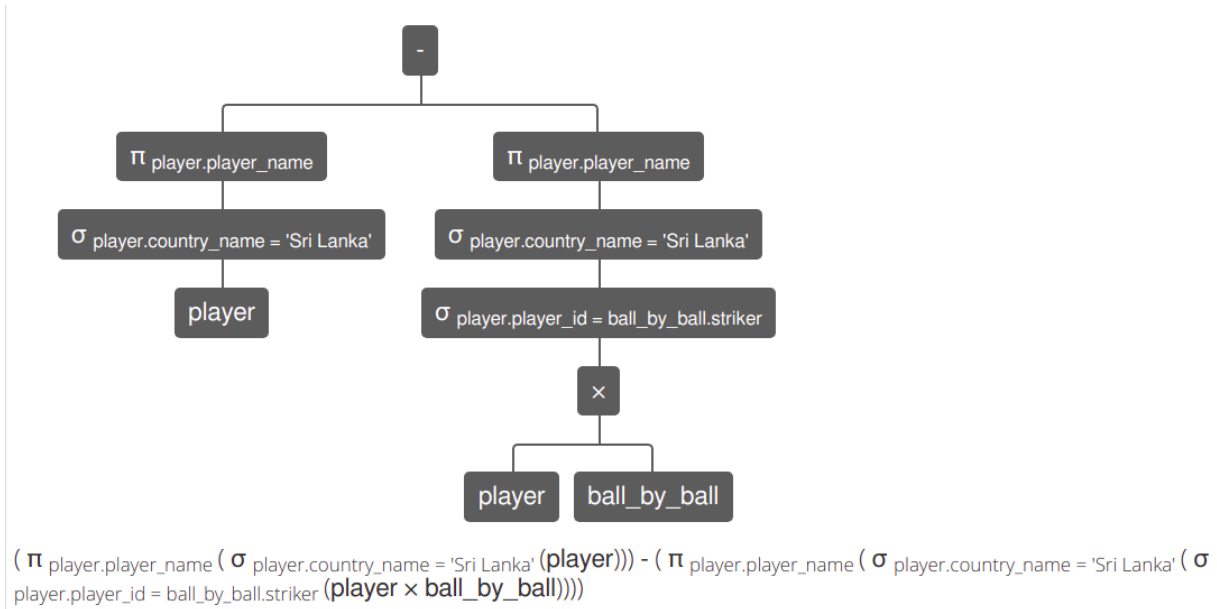


$\tau_{\text{player.player_name asc}} (\pi_{\text{player.player_id, player.player_name}} (\sigma_{\text{player.country_name = 'Australia'}} (\sigma_{\text{player_match.role_desc like 'Captain\%'}} (\sigma_{\text{player.player_id = player_match.player_id}} (\text{player} \times \text{player_match}))))))$

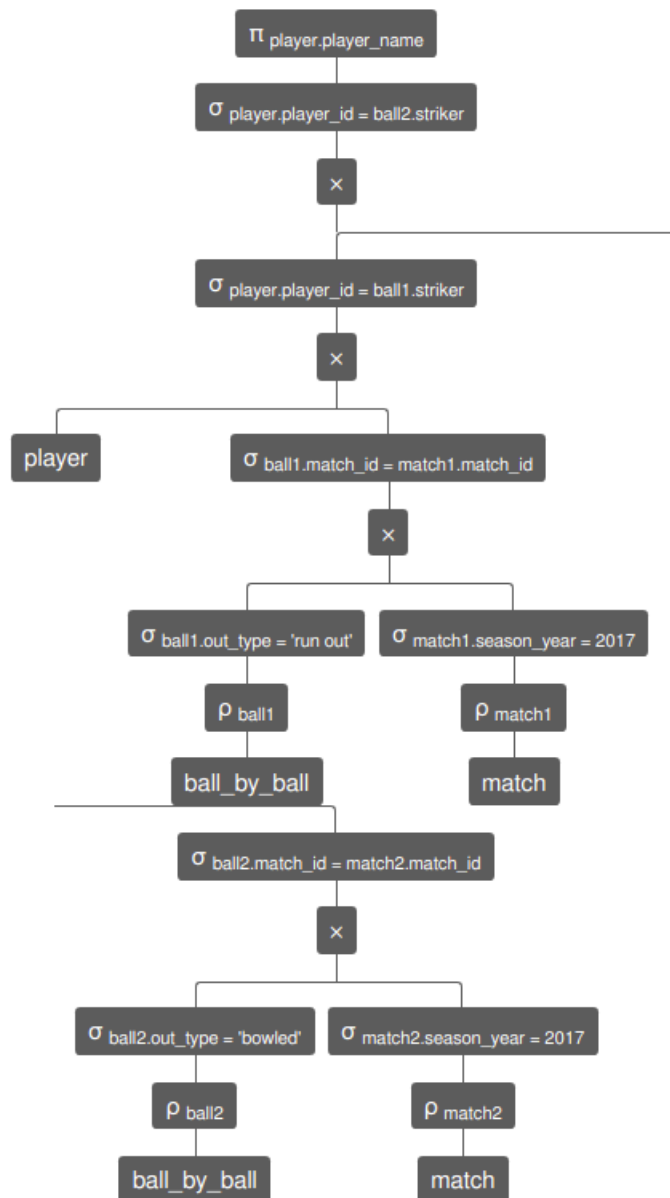
Query 8: Find names of overseas players who have played in Eden Gardens.



Query 12: Find names of players who have never batted from Srilanka.



Query 14: Find the names of players who got dismissed by both "run out" and got bowled in 2 different matches in 2017.



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π player.player_name ( σ player.player_id = ball2.striker ( ( σ player.player_id = ball1.striker ( player × ( σ ball1.match_id = match1.match_id ( ( σ
ball1.out_type = 'run out' ( ρ ball1 ( ball_by_ball ) ) ) × ( σ match1.season_year = 2017 ( ρ match1 ( match ) ) ) ) ) × ( σ ball2.match_id =
match2.match_id ( ( σ ball2.out_type = 'bowled' ( ρ ball2 ( ball_by_ball ) ) ) × ( σ match2.season_year = 2017 ( ρ match2 ( match ) ) ) ) ) ) )

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